

Work Order ID 151666***151666***

Page 1

Wednesday, October 05, 2016 3:09:08 PM

Item ID: 646.4001 Accept ***N900040100*** Setup Start ***NS1***
Revision ID: Stop ***NS2***
Item Name: AS350 Cable Cutter System
Start Date: 10/19/2016 Start Qty: 1.00 ***1*** Cust Item ID:
Required Date: 10/26/2016 Req'd Qty: 1.00 ***1*** Customer:

Reference:

Approvals: Process Plan: **DAS 21 9-89** Date: **OCT 06 2016** Tooling: Date: Run Start ***NR1***
QC: Date: SPC (Y/N): Date: Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
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Draw Nbr	Revision Nbr
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646.4000	C1
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100	Document Control	0.00
100	DOCUMENT CONTROL	
DC	Memo	0.00
Doc.Control -USB or Paperwork	Photocopy bluefile & type labels per PPP 646.4001	

DAS 27 9-89

NOV 24 2016

110	Pick Kit	0.00
110		
Packaging	Memo	0.00
Packaging		

OCT 27 2016

DAS 6 9-89 **DAS 28 9-89**

120	QC4- 100% Inspect kits for completeness	0.00
120		
QC	Memo	0.00
Quality Control		

DAS 27 9-89

NOV 24 2016

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :				MRB (QSI042) Approval Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval	
Description Work Order Deviation				Disposition					
Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		FAULT CATEGORY Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐							
		OTHER : ☐							

Work Order ID 151666

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151666

Page 2

Item ID: 646.4001

Accept

N900040100Setup Start ***NS1***

Revision ID:

Stop ***NS2***

Item Name: AS350 Cable Cutter System

Start Date: 10/19/2016 Start Qty: 1.00 ***1***

Cust Item ID:

Required Date: 10/26/2016 Req'd Qty: 1.00 ***1***

Customer:

Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____

Run Start ***NR1***

QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
130	Packaging	0.00							
130									
Packaging	Memo	0.00							
Packaging	Identify and pack for shipping as per PPP 646.4001								
	Location: <u>fg 101</u>								
140	QC21- Final Inspection - Work Order Release	0.00							
140									
QC	Memo	0.02							
Quality Control									

DAS
27 9-89
DAS
28 9-89

NOV 2 4 2016

DAS
21 9-89
NOV 2 5 2016

AG-11-24



Work Order update only ☐

Work Order: _____		DISPOSITION		AGAINST DEPARTMENT/PROCESS						
Part No. _____		Rework ☐		Skid-tube ☐	Cross tube ☐	Water Jet ☐	Engineering ☐			
NCR No. _____		Scrap ☐		Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐			
		Use-as-is ☐		Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐			
		Suspected Unapproved ☐		Large Fab ☐	Composite ☐	Supplier ☐				
Date :		Step #:		QTY Effective :			MRB (QS1042) Approval			
Description Work Order Deviation				Disposition				Completed By		
								Lead hand / Supervisor Approval Verification		
								QC / QA Coordinator Approval		
Root Cause				FAULT CATEGORY						
Environment ☐	☐	No Re-verification	☐	Pressure/Forced	☐	Temperature/Cure	☐	Power Loss/Surge	☐	Positioned Wrong
Design ☐	☐	Operator	☐	Bending	☐	Set-up	☐	Folio/Program	☐	Outside Dimensions
Doc/Data ☐	☐	Offset/Setup	☐	Centre Not Concentric	☐	BOM/Route	☐	Grain	☐	Over/Under tolerance
Equip/Tooling ☐	☐	Supplier	☐	Cracks	☐	Broken/Damage/Defect	☐	Weld	☐	Part Incorrect
Handling/Pre ☐	☐	Training	☐	Crimp/Kink/Ripple/Wave	☐	Inspection Incomplete/Unqualified	☐	Wrong Stock Pulled	☐	Part Lost/Missing
Material ☐	☐	Use for Testing	☐	Cuffs	☐	Contamination	☐	Out of Sequence	☐	Part Moved
Internal Transport ☐	☐	Poor Information	☐	Crushing	☐	Countersink	☐	Off-set	☐	Drawing
Tribal Knowledge ☐	☐	Rushing	☐	Heat Treat	☐	Cut Too Short	☐	Mislabeled	☐	Finish
LOA ☐	☐	Product Improvement	☐	Wave/Twist in Tube	☐	Instructions Incomplete/Unclear	☐	Fit/Function	☐	Misread
Substation ☐	☐	Process Improvement	☐	Marks/Chatter	☐	Drill Holes	☐	Misaligned/off center	☐	Turning Sequence
Past Expiry Date ☐	☐	Manufacturing Process								
Misidentified ☐	☐	Past Due								
			OTHER :							

Picklist Print

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Page 1

Work Order ID: 151666

151666

Parent Item: 646.4001

646 4001

Parent Item Name: AS350 Cable Cutter System

Start Date: 10/19/2016

Required Date: 10/26/2016

Start Qty: 1.00

Required Qty: 1.00

Comments: IPP REV:A 12.10.23 NEW ISSUE DD VERF:JLM
IPP REV:B 15.01.08 AS PER DWG REV.B DD VERF:JLM IPP
REV:C 16.01.07 AS PER DWG REV.C DD VERF:JLM

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
600.0129 *600 0129* VHB TAPE 75935A651		Purchased	No			100	f	32.0000	8	8			
DAS 27 9-89 OCT 27 2016 DAS 6 28 9-89													
						<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>					
						CCK095	32						
						m127920	32						
600.0990 *600 0990* Magnabond 6398 Part A Size 112 ml		Purchased	No			100	Each	20.0000	1	1			
DAS 27 9-89 OCT 27 2016 DAS 6 28 9-89													
						<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>					
						CA2	12						
						M135600	12						
						PKG	8						
						M134167	1						
						M134249	2						
						M135213	5						
600.0991 *600 0991* Magnabond 6398 Part B Size 112 ml		Purchased	No			100	Each	19.0000	1	1			
DAS 27 9-89 OCT 27 2016 DAS 6 28 9-89													
						<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>					
						CA2	12						
						m135600	12						
						PKG	7						
						m134167	1						
						m134249	1						
						m135213	5						

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :				MRB (QSI042) Approval Completed By _____ Lead hand / Supervisor Approval Verification _____ QC / QA Coordinator Approval _____	
Description Work Order Deviation				Disposition					
Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		FAULT CATEGORY Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Mislabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐							
		OTHER : _____							

Picklist Print

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Work Order ID: 151666

151666

Parent Item: 646.4001

646 4001

Parent Item Name: AS350 Cable Cutter System

Start Date: 10/19/2016

Required Date: 10/26/2016

Start Qty: 1.00

Required Qty: 1.00

600.1012 Purchased No 100 Each 10.0000 1 1

600 1012

Sealant PR1425B2 (#654 sem)

**

OCT 27 2016

DAS 6 28 9-89

Location

Loc Qty

Loc Code

cck017

10

m135407

1

m135530

4

m135600

5

600.1013 Purchased No 100 Each 700.0000 5 5

600 1013

021200-3M TAPE PRIMER 94 PRIMER 24216

**

OCT 27 2016

DAS 6 28 9-89

Location

Loc Qty

Loc Code

CCK095

700

m131145

700

6/15/2016

646.2910 Manufactured No 100 Each 0.0000 1 1

646 2910

Deflector

**

OCT 27 2016

DAS 6 28 9-89

646.3001 Manufactured No 100 Each 0.0000 1 1

646 3001

Lower Cutter Assembly

**

OCT 27 2016

DAS 6 28 9-89

646.3110 Manufactured No 100 Each 9.0000 1 1

646 3110

Channel

**

OCT 27 2016

DAS 6 28 9-89

Location

Loc Qty

Loc Code

cck020

9

141015

9

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :				MRB (QSI042) Approval 	
Description Work Order Deviation				Disposition					
								Completed By	
								Lead hand / Supervisor Approval Verification	
								QC / QA Coordinator Approval	

Root Cause				FAULT CATEGORY							
Environment	☐	No Re-verification	☐	Pressure/Forced	☐	Temperature/Cure	☐	Power Loss/Surge	☐	Positioned Wrong	☐
Design	☐	Operator	☐	Bending	☐	Set-up	☐	Folio/Program	☐	Outside Dimensions	☐
Doc/Data	☐	Offset/Setup	☐	Centre Not Concentric	☐	BOM/Route	☐	Grain	☐	Over/Under tolerance	☐
Equip/Tooling	☐	Supplier	☐	Cracks	☐	Broken/Damage/Defect	☐	Weld	☐	Part Incorrect	☐
Handling/Pre	☐	Training	☐	Crimp/Kink/Ripple/Wave	☐	Inspection Incomplete/Unqualified	☐	Wrong Stock Pulled	☐	Part Lost/Missing	☐
Material	☐	Use for Testing	☐	Cuffs	☐	Contamination	☐	Out of Sequence	☐	Part Moved	☐
Internal Transport	☐	Poor Information	☐	Crushing	☐	Countersink	☐	Off-set	☐	Drawing	☐
Tribal Knowledge	☐	Rushing	☐	Heat Treat	☐	Cut Too Short	☐	Mislabeled	☐	Finish	☐
LOA	☐	Product Improvement	☐	Wave/Twist in Tube	☐	Instructions Incomplete/Unclear	☐	Fit/Function	☐	Misread	☐
Substation	☐	Process Improvement	☐	Marks/Chatter	☐	Drill Holes	☐	Misaligned/off center	☐	Turning Sequence	☐
Past Expiry Date	☐	Manufacturing Process	☐								
Misidentified	☐	Past Due	☐	OTHER :							

Picklist Print

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Work Order ID: 151666

151666

Parent Item: 646.4001

646 4001

Parent Item Name: AS350 Cable Cutter System

Start Date: 10/19/2016

Required Date: 10/26/2016

Start Qty: 1.00

Required Qty: 1.00

646.3210
646 3210
Support

DAS
27
9-89

Manufactured No

100 Each

4.0000

1 1

**

OCT 27 2016

DAS
28
6 9-89

Location

Loc Qty

Loc Code

cck020

4

142469

4

646.3301
646 3301
Upper Cutter Assy

DAS
27
9-89

Manufactured No

100 Each

0.0000

1 1

**

180637

OCT 27 2016

DAS
28
6 9-89

646.3510
646 3510
Strut

DAS
27
9-89

Manufactured No

100 Each

10.0000

1 1

**

OCT 27 2016

DAS
28
6 9-89

Location

Loc Qty

Loc Code

CCK108A

10

140979

10

646.3511
646 3511
Strut

DAS
27
9-89

Manufactured No

100 Each

10.0000

1 1

**

OCT 27 2016

DAS
28
6 9-89

Location

Loc Qty

Loc Code

cck104

2

141499

2

CCK108A

8

141499

8

646.3610
646 3610
Filler

DAS
27
9-89

Manufactured No

100 Each

0.0000

1 1

**

B150485

DAS
28
6 9-89

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval		
Description Work Order Deviation				Disposition					
Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		FAULT CATEGORY Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐		Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Mislabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐					
		OTHER :							

Picklist Print

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Work Order ID: 151666

151666

Parent Item: 646.4001

646 4001

Parent Item Name: AS350 Cable Cutter System

Start Date: 10/19/2016

Required Date: 10/26/2016

Start Qty: 1.00

Required Qty: 1.00

646.3710
646 3710
Doubler

Manufactured No

100 Each

10.0000

1 1

**

~~15048~~

DAS 28
6 9-89

Location

Loc Qty

Loc Code

CCK002

10

140753

10

OCT 27 2016

646.3711
646 3711
Clip

Manufactured No

100 Each

3.0000

1 1

**

1

DAS 28
6 9-89

Location

Loc Qty

Loc Code

cck104

3

142632

3

OCT 27 2016

646.3712
646 3712
Clip

Manufactured No

100 Each

5.0000

1 1

**

1

DAS 28
6 9-89

Location

Loc Qty

Loc Code

cck104

5

140787

5

OCT 27 2016

646.3713
646 3713
Gusset

Manufactured No

100 Each

9.0000

1 1

**

1

DAS 28
6 9-89

Location

Loc Qty

Loc Code

cck105

9

140084

9

OCT 27 2016

646.3714
646 3714
Gusset

Manufactured No

100 Each

3.0000

1 1

**

1

DAS 28
6 9-89

Location

Loc Qty

Loc Code

cck105

3

148235

3

OCT 27 2016

Wednesday, October 05, 2016 3:09:06 PM

Shop Packet Print

Page 4

DQA: _____ Date: _____

WORK ORDER NON-CONFORMANCE / UPDATE



QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :				MRB (QSI042) Approval Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval	
Description Work Order Deviation				Disposition					
Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		FAULT CATEGORY Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐							
		OTHER : ☐							

Picklist Print

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Work Order ID: 151666

151666

Parent Item: 646.4001

646 4001

Parent Item Name: AS350 Cable Cutter System

Start Date: 10/19/2016

Required Date: 10/26/2016

Start Qty: 1.00

Required Qty: 1.00

646.3715	Manufactured	No		100	Each	12.0000	2	2
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646 3715

Strut Doubler

**

OCT 27 2016

DAS 28
6 9-89

Location

Loc Qty

Loc Code

cck105

12

148568

12

2

646.3716	Manufactured	No		100	Each	21.0000	1	1
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646 3716

Gauge Bracket

**

OCT 27 2016

DAS 28
6 9-89

Location

Loc Qty

Loc Code

cck105

21

140845

21

1

646.3717	Manufactured	No		100	Each	8.0000	1	1
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646 3717

Doubler

**

OCT 27 2016

DAS 28
6 9-89

Location

Loc Qty

Loc Code

cck105

8

142634

8

1

646.3718	Manufactured	No		100	Each	11.0000	2	2
----------	--------------	----	--	-----	------	---------	---	---

646 3718

Custom Washer

**

OCT 27 2016

DAS 28
6 9-89

Location

Loc Qty

Loc Code

cck105

11

150389

11

2

DAS 27
9-89

DQA: _____ Date: _____

WORK ORDER NON-CONFORMANCE / UPDATE



QA Closed: _____ Date: _____

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Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :				MRB (QSI042) Approval 	
Description Work Order Deviation				Disposition					
								Completed By	
								Lead hand / Supervisor Approval Verification	
								QC / QA Coordinator Approval	

Root Cause				FAULT CATEGORY							
Environment	☐	No Re-verification	☐	Pressure/Forced	☐	Temperature/Cure	☐	Power Loss/Surge	☐	Positioned Wrong	☐
Design	☐	Operator	☐	Bending	☐	Set-up	☐	Folio/Program	☐	Outside Dimensions	☐
Doc/Data	☐	Offset/Setup	☐	Centre Not Concentric	☐	BOM/Route	☐	Grain	☐	Over/Under tolerance	☐
Equip/Tooling	☐	Supplier	☐	Cracks	☐	Broken/Damage/Defect	☐	Weld	☐	Part Incorrect	☐
Handling/Pre	☐	Training	☐	Crimp/Kink/Ripple/Wave	☐	Inspection Incomplete/Unqualified	☐	Wrong Stock Pulled	☐	Part Lost/Missing	☐
Material	☐	Use for Testing	☐	Cuffs	☐	Contamination	☐	Out of Sequence	☐	Part Moved	☐
Internal Transport	☐	Poor Information	☐	Crushing	☐	Countersink	☐	Off-set	☐	Drawing	☐
Tribal Knowledge	☐	Rushing	☐	Heat Treat	☐	Cut Too Short	☐	Mislabeled	☐	Finish	☐
LOA	☐	Product Improvement	☐	Wave/Twist in Tube	☐	Instructions Incomplete/Unclear	☐	Fit/Function	☐	Misread	☐
Substation	☐	Process Improvement	☐	Marks/Chatter	☐	Drill Holes	☐	Misaligned/off center	☐	Turning Sequence	☐
Past Expiry Date	☐	Manufacturing Process	☐	OTHER : _____							
Misidentified	☐	Past Due	☐								

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Page 6

Work Order ID: 151666

151666

Parent Item: 646.4001

646 4001

Parent Item Name: AS350 Cable Cutter System

Start Date: 10/19/2016

Required Date: 10/26/2016

Start Qty: 1.00

Required Qty: 1.00

646.3719 Manufactured No 100 Each 16.0000 2 2

646 3719

Doubler

**

DAS 28 9-89
OCT 27 2016
DAS 6 9-89

Location

Loc Qty

Loc Code

cck105

16

148282

2

150288

7

150656

7

DAS 27 9-89

646.3810 Manufactured No 100 Each 10.0000 2 2

646 3810

Bracket

**

DAS 28 9-89
OCT 27 2016
DAS 6 9-89

Location

Loc Qty

Loc Code

CCK106

10

150304

5

150666

5

DAS 27 9-89

646.3811 Manufactured No 100 Each 7.0000 1 1

646 3811

Radius Block

**

DAS 28 9-89
OCT 27 2016
DAS 6 9-89

Location

Loc Qty

Loc Code

CCK106

7

148258

7

DAS 27 9-89

646.3812 Manufactured No 100 Each 3.0000 2 2

646 3812

Gusset Bracket

**

DAS 28 9-89
OCT 27 2016
DAS 6 9-89

Location

Loc Qty

Loc Code

CCK106

3

148240

3

DAS 27 9-89

DQA: _____ Date: _____

WORK ORDER NON-CONFORMANCE / UPDATE



QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :				MRB (QS1042) Approval Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval	
Description Work Order Deviation				Disposition					
Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		FAULT CATEGORY Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐							
		OTHER : ☐							

Picklist Print

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Work Order ID: 151666

151666

Parent Item: 646.4001

646 4001

Parent Item Name: AS350 Cable Cutter System

Start Date: 10/19/2016

Required Date: 10/26/2016

Start Qty: 1.00

Required Qty: 1.00

646.3813 Manufactured No

100 Each 7.0000 1 1

646 3813

Strut Bracket

**

Location

Loc Qty

Loc Code

CCK106

7

148269

2

150242

5

646.3910 Manufactured No

100 Each 6.0000 4 4

646 3910

Shim

**

Location

Loc Qty

Loc Code

CCK106

6

148261

6

646.3911 Manufactured No

100 Each 29.0000 1 1

646 3911

Shim

**

Location

Loc Qty

Loc Code

cck104

16

126229

16

CCK106

13

126059

13

646.3912 Manufactured No

100 Each 13.0000 4 4

646 3912

Shim

**

Location

Loc Qty

Loc Code

CCK106

13

140238

2

149310

11

OCT 27 2016

DAS 28 9-89

OCT 27 2016

DAS 28 9-89

OCT 27 2016

DAS 28 9-89

OCT 27 2016

DAS 28 9-89

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval		
Description Work Order Deviation				Disposition				Completed By	
								Lead hand / Supervisor Approval Verification	
Root Cause		FAULT CATEGORY							
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐				
Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐				
Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐				
Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐				
Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐				
Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐				
Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐				
Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐				
LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐				
Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐				
Past Expiry Date ☐	Manufacturing Process ☐	OTHER : _____							
Misidentified ☐	Past Due ☐								

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Work Order ID: 151666

151666

Parent Item: 646.4001

646 4001

Parent Item Name: AS350 Cable Cutter System

Start Date: 10/19/2016

Required Date: 10/26/2016

Start Qty: 1.00

Required Qty: 1.00

646.3913
646 3913
Shim

Manufactured No

100 Each

69.0000

1 1

**

OCT 27 2016

DAS 28
6 9-89

Location

Loc Qty

Loc Code

CCK106

69

126060

69

646.9410
646 9410
Shim

Manufactured No

100 Each

78.0000

1 1

**

OCT 27 2016

DAS 28
6 9-89

Location

Loc Qty

Loc Code

cck011

78

140671

78

647.0112
647 0112
Strut Bracket

Manufactured No

100 Each

0.0000

2 2

**

OCT 27 2016

DAS 28
6 9-89

647.7703
647 7703
Strut Assembly

Manufactured No

100 Each

2.0000

2 2

**

OCT 27 2016

DAS 28
6 9-89

Location

Loc Qty

Loc Code

CCK114

2

145013

2

650.9201
650 9201
Eyelet Bracket Assembly

Manufactured No

100 Each

0.0000

2 2

**

NOV 04 2016

DAS 28
6 9-89

DQA: _____ Date: _____

WORK ORDER NON-CONFORMANCE / UPDATE



QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :				MRB (QSI042) Approval Completed By _____ Lead hand / Supervisor Approval Verification _____ QC / QA Coordinator Approval _____	
Description Work Order Deviation				Disposition					
Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		FAULT CATEGORY Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Mislabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐							
		OTHER : _____							

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Work Order ID: 151666

151666

Parent Item: 646.4001

646 4001

Parent Item Name: AS350 Cable Cutter System

Start Date: 10/19/2016

Required Date: 10/26/2016

Start Qty: 1.00

Required Qty: 1.00

AN3-11A Purchased No

100 Each 143.0000 10 10

AN3-11A

Bolt

**

OCT 27 2016

DAS 28
6 9-89

Location

Loc Qty

Loc Code

over003

100

m135767

100

ST349

43

m135390

43

AN3-12A Purchased No

100 Each 219.0000 2 2

AN3-12A

Bolt

**

OCT 27 2016

DAS 28
6 9-89

Location

Loc Qty

Loc Code

ST349

219

m133064

16

m135603

203

AN3-13A Purchased No

100 Each 46.0000 1 1

AN3-13A

Bolt

**

OCT 27 2016

DAS 28
6 9-89

Location

Loc Qty

Loc Code

GA

20

m127070

20

ST349

26

m134365

26

AN316C4R Purchased No

100 Each 9.0000 2 2

AN316C4R

Nut, Jam

**

OCT 27 2016

DAS 28
6 9-89

Location

Loc Qty

Loc Code

ST331

9

m133234

7

m133523

2

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS <table style="width:100%; border: none;"> <tr> <td style="border: none;">Skid-tube ☐</td> <td style="border: none;">Cross tube ☐</td> <td style="border: none;">Water Jet ☐</td> <td style="border: none;">Engineering ☐</td> </tr> <tr> <td style="border: none;">Machining ☐</td> <td style="border: none;">Small Fab ☐</td> <td style="border: none;">Prod. Eng. Coord. ☐</td> <td style="border: none;">Quality ☐</td> </tr> <tr> <td style="border: none;">Thermoforming ☐</td> <td style="border: none;">Finishing ☐</td> <td style="border: none;">Rec/Store/Packaging ☐</td> <td style="border: none;">Other ☐</td> </tr> <tr> <td style="border: none;">Large Fab ☐</td> <td style="border: none;">Composite ☐</td> <td style="border: none;">Supplier ☐</td> <td></td> </tr> </table>								Skid-tube ☐	Cross tube ☐	Water Jet ☐	Engineering ☐	Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐	Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐	Large Fab ☐	Composite ☐	Supplier ☐	
Skid-tube ☐	Cross tube ☐	Water Jet ☐	Engineering ☐																								
Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐																								
Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐																								
Large Fab ☐	Composite ☐	Supplier ☐																									
Date :		Step #:		QTY Effective :				MRB (QSI042) Approval																			
Description Work Order Deviation				Disposition				Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval																			
Root Cause		FAULT CATEGORY																									
Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐	No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐	Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐	Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐	Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Mislabeled ☐ Fit/Function ☐ Misaligned/off center ☐	Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐																						
		OTHER :																									

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Work Order ID: 151666

151666

Parent Item: 646.4001

646 4001

Parent Item Name: AS350 Cable Cutter System

Start Date: 10/19/2016

Required Date: 10/26/2016

Start Qty: 1.00

Required Qty: 1.00

AN3-3A Purchased No 100 Each 197.0000 4 4

AN3-3A

Bolt

**

OCT 27 2016

DAS 28

DAS 6 9-89

DAS 27 9-89

Location

Loc Qty

Loc Code

ST350

197

m135406
m135566
m135672

72
75
50

AN3-4A Purchased No 100 Each 334.0000 10 10

AN3-4A

Bolt

**

OCT 27 2016

DAS 28 9-89
DAS 6 9-89

DAS 27 9-89

Location

Loc Qty

Loc Code

over003

250

m135704

250

ST350

84

m134955

84

AN3-5A Purchased No 100 Each 280.0000 2 2

AN3-5A

Bolt

**

OCT 27 2016

DAS 28 9-89
DAS 6 9-89

DAS 27 9-89

Location

Loc Qty

Loc Code

FP001

155

m134502

155

ST350

125

m135058

125

AN3-6A Purchased No 100 Each 148.0000 2 2

AN3-6A

Bolt

**

OCT 27 2016

DAS 28 9-89
DAS 6 9-89

DAS 27 9-89

Location

Loc Qty

Loc Code

ST349

148

m134955

148

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :				MRB (QSI042) Approval Completed By _____ Lead hand / Supervisor Approval Verification _____ QC / QA Coordinator Approval _____	
Description Work Order Deviation				Disposition					
Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		FAULT CATEGORY Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Mislabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐							
		OTHER : _____							

Picklist Print

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Work Order ID: 151666

151666

Parent Item: 646.4001

646 4001

Parent Item Name: AS350 Cable Cutter System

Start Date: 10/19/2016

Required Date: 10/26/2016

Start Qty: 1.00

Required Qty: 1.00

AN44-5A Purchased No

100 Each 21.0000 2 2

AN44-5A

Eyebolt

**

OCT 27 2016

Location

Loc Qty

Loc Code

ST339

21

m135127

9

m135774

12

AN4C7A Purchased No

100 Each 40.0000 2 2

AN4C7A

BOLT

**

OCT 27 2016

Location

Loc Qty

Loc Code

ST345

40

m135470

40

AN665-34R Purchased No

100 Each 19.0000 2 2

AN665-34R

Clevis

**

OCT 27 2016

Location

Loc Qty

Loc Code

ST330

19

M135603

19

CCR264SS3-02 Purchased No

100 Each 263.0000 36 36

CCR264SS3-02

Cherry Rivet

**

OCT 27 2016

Location

Loc Qty

Loc Code

ST321

263

M134134

2

M135127

2

M135603

259

DAS
27
9-89

DAS
28
6-9-89

DAS
6
9-89
DAS
28
9-89

DAS
6
9-89
DAS
28
9-89

DAS
6
9-89
DAS
28
9-89

DQA: _____ Date: _____

WORK ORDER NON-CONFORMANCE / UPDATE



QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐																																																													
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval																																																										
Description Work Order Deviation				Disposition				Completed By																																																									
								Lead hand / Supervisor Approval Verification																																																									
								QC / QA Coordinator Approval																																																									
Root Cause		FAULT CATEGORY																																																															
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐	Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐	Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐	Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐	Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐	Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐	Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐	Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐	LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐	Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐	Past Expiry Date ☐	Manufacturing Process ☐	OTHER : _____			
Misidentified ☐	Past Due ☐																																																																

Picklist Print

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Work Order ID: 151666

151666

Parent Item: 646.4001

646 4001

Parent Item Name: AS350 Cable Cutter System

Start Date: 10/19/2016

Required Date: 10/26/2016

Start Qty: 1.00

Required Qty: 1.00

CR3213-5-3

Purchased

No

100

Each

104.0000

14

14

CR3213-5-3

Cherry Rivet

**

OCT 27 2016

DAS 28 6 9-89

Location

Loc Qty

Loc Code

ST319

104

m134142

4

m135408

100

MS20426AD5-7

Purchased

No

100

Each

897.0000

2

2

MS20426AD5-7

RIVET

**

OCT 27 2016

DAS 28 6 9-89

Location

Loc Qty

Loc Code

ST311

897

M133922

897

MS20470AD5-5.5

Purchased

No

100

Each

838.0000

8

8

MS20470AD5-5 5

Rivet

**

OCT 27 2016

DAS 28 6 9-89

Location

Loc Qty

Loc Code

ST309

838

m134063

838

MS20470AD5-6

Purchased

No

100

Each

728.0000

8

8

MS20470AD5-6

RIVET

**

OCT 27 2016

DAS 28 6 9-89

Location

Loc Qty

Loc Code

ST309

728

124089

728

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval		
Description Work Order Deviation				Disposition				Completed By	
								Lead hand / Supervisor Approval Verification	
								QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY							
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐				
Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐				
Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐				
Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐				
Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐				
Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐				
Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐				
Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐				
LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐				
Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐				
Past Expiry Date ☐	Manufacturing Process ☐								
Misidentified ☐	Past Due ☐	OTHER :							

Picklist Print

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Page 13

Work Order ID: 151666

151666

Parent Item: 646.4001

646 4001

Parent Item Name: AS350 Cable Cutter System

Start Date: 10/19/2016

Required Date: 10/26/2016

Start Qty: 1.00

Required Qty: 1.00

MS20470AD5-7

Purchased

No

100

Each

419.0000

3

3

MS20470AD5-7

Rivet

**

OCT 27 2016

DAS 28 6 28 9-89

DAS 27 9-89

Location

Loc Qty

Loc Code

ST309

419

123425

419

MS21042-08

MS21042L08

Purchased

No

100

Each

0.0000

2

2

MS21042-08

USE MS21042L08

**

135600 OCT 27 2016

DAS 28 6 28 9-89

MS21042-3

MS21042L3

Purchased

No

100

Each

0.0000

2

2

MS21042-3

Nut

**

135600

OCT 27 2016

DAS 28 6 28 9-89

MS21042L3

Purchased

No

100

Each

1,747.000

61

61

MS21042L3

Nut

**

OCT 27 2016

DAS 28 6 28 9-89

DAS 27 9-89

Location

Loc Qty

Loc Code

FP001

7

M130922

7

GA

245

m134360

112

m135135

133

OVER007

600

m135767

600

ST303

895

m135407

10

m135530

600

m135600

285

61

DQA: _____ Date: _____

WORK ORDER NON-CONFORMANCE / UPDATE



QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐																																																													
Date :		Step #:		QTY Effective :				MRB (QSI042) Approval																																																									
Description Work Order Deviation				Disposition				Completed By																																																									
								Lead hand / Supervisor Approval Verification																																																									
								QC / QA Coordinator Approval																																																									
Root Cause		FAULT CATEGORY																																																															
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐	Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐	Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐	Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐	Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐	Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐	Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐	Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐	LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐	Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐	Past Expiry Date ☐	Manufacturing Process ☐	OTHER : _____			
Misidentified ☐	Past Due ☐																																																																

Picklist Print

Wednesday, October 05, 2016 3:09:07 PM

Work Order ID: 151666

151666

Parent Item: 646.4001

646 4001

Parent Item Name: AS350 Cable Cutter System

Start Date: 10/19/2016

Required Date: 10/26/2016

Start Qty: 1.00

Required Qty: 1.00

MS21042L4

Purchased

No

100

Each

1,688.000

2

2

MS21042L 4

Nut

OCT 27 2016

DAS 28
9-89

Location

Loc Qty

Loc Code

FP001

34

m133363

34

GA

260

m135058

260

OVER007

1000

m135704

500

m135774

500

ST303

394

m135603

394

2

DAS 27
9-89

MS21047-3

Purchased

No

100

Each

153.0000

18

18

MS21047-3

Nut Plate

OCT 27 2016

DAS 28
9-89

Location

Loc Qty

Loc Code

ST301

153

m135603

63

m135774

90

18

DAS 27
9-89

MS24693-C278

Purchased

No

100

Each

45.0000

5

5

MS24693-C278

Screw

OCT 27 2016

DAS 28
9-89

Location

Loc Qty

Loc Code

ST286

45

m135135

45

5

DAS 27
9-89

DQA: _____ Date: _____

WORK ORDER NON-CONFORMANCE / UPDATE



QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :				MRB (QSI042) Approval Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval	
Description Work Order Deviation				Disposition					

Root Cause				FAULT CATEGORY			
Environment ☐	☐	No Re-verification ☐	☐	Pressure/Forced ☐	☐	Temperature/Cure ☐	☐
Design ☐	☐	Operator ☐	☐	Bending ☐	☐	Set-up ☐	☐
Doc/Data ☐	☐	Offset/Setup ☐	☐	Centre Not Concentric ☐	☐	BOM/Route ☐	☐
Equip/Tooling ☐	☐	Supplier ☐	☐	Cracks ☐	☐	Broken/Damage/Defect ☐	☐
Handling/Pre ☐	☐	Training ☐	☐	Crimp/Kink/Ripple/Wave ☐	☐	Inspection Incomplete/Unqualified ☐	☐
Material ☐	☐	Use for Testing ☐	☐	Cuffs ☐	☐	Contamination ☐	☐
Internal Transport ☐	☐	Poor Information ☐	☐	Crushing ☐	☐	Countersink ☐	☐
Tribal Knowledge ☐	☐	Rushing ☐	☐	Heat Treat ☐	☐	Cut Too Short ☐	☐
LOA ☐	☐	Product Improvement ☐	☐	Wave/Twist in Tube ☐	☐	Instructions Incomplete/Unclear ☐	☐
Substation ☐	☐	Process Improvement ☐	☐	Marks/Chatter ☐	☐	Drill Holes ☐	☐
Past Expiry Date ☐	☐	Manufacturing Process ☐	☐	OTHER :			
Misidentified ☐	☐	Past Due ☐	☐				

Picklist Brint

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Work Order ID: 151666

151666

Parent Item: 646.4001

646 4001

Parent Item Name: AS350 Cable Cutter System

Start Date: 10/19/2016

Required Date: 10/26/2016

Start Qty: 1.00

Required Qty: 1.00

MS24694-S51

Purchased

No

100

Each

229.0000

5

5

MS24694-S51

Screw

**

OCT 27 2016

DAS 6 28
9-89 9-89

Location

Loc Qty

Loc Code

ST284

229

m135442

229

MS24694-S54

Purchased

No

100

Each

77.0000

2

2

MS24694-S54

SCREW

**

OCT 27 2016

DAS 6 28
9-89 9-89

Location

Loc Qty

Loc Code

ST284

77

m135672

77

MS24694-S55

Purchased

No

100

Each

132.0000

3

3

MS24694-S55

Screw

**

OCT 27 2016

DAS 6 28
9-89 9-89

Location

Loc Qty

Loc Code

ST283

132

m135408

32

m135766

100

MS27039-08-13

Purchased

No

100

Each

74.0000

2

2

MS27039-08-13

Screw

**

OCT 27 2016

DAS 6 28
9-89 9-89

Location

Loc Qty

Loc Code

ST278

74

124326

74

DQA: _____ Date: _____

WORK ORDER NON-CONFORMANCE / UPDATE



QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :				MRB (QS1042) Approval	
Description Work Order Deviation				Disposition				Completed By	
								Lead hand / Supervisor Approval Verification	
								QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY							
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐				
Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐				
Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐				
Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐				
Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐				
Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐				
Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐				
Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐				
LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐				
Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐				
Past Expiry Date ☐	Manufacturing Process ☐	OTHER :							
Misidentified ☐	Past Due ☐								

Picklist Print

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Page 16

Work Order ID: 151666

151666

Parent Item: 646.4001

646 4001

Parent Item Name: AS350 Cable Cutter System

Start Date: 10/19/2016

Required Date: 10/26/2016

Start Qty: 1.00

Required Qty: 1.00

MS27039-1-10

Purchased

No

100

Each

520.0000

2

2

MS27039-1-10

SCREW

**

DAS
6
9-89
28
9-89

OCT 27 2016

DAS
27
9-89

Location

Loc Qty

Loc Code

GA

12

m129541

12

over006

300

m135774

300

ST280

208

m135603

208

MS27039-1-12

Purchased

No

100

Each

88.0000

6

6

MS27039-1-12

Screw

**

DAS
6
9-89
28
9-89

OCT 27 2016

DAS
27
9-89

Location

Loc Qty

Loc Code

ST280

88

m135566

88

MS27039-1-16

Purchased

No

100

Each

92.0000

24

24

MS27039-1-16

Screw

**

DAS
6
9-89
28
9-89

OCT 27 2016

DAS
27
9-89

Location

Loc Qty

Loc Code

ST280

92

m135566

92

MS27039-1-19

Purchased

No

100

Each

201.0000

22

22

MS27039-1-19

Screw

**

DAS
6
9-89
28
9-89

OCT 27 2016

DAS
27
9-89

Location

Loc Qty

Loc Code

GA

82

m134134

82

ST280

119

m135774

119

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Shop Packet Print

Page 16

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :				MRB (QSI042) Approval Completed By _____ Lead hand / Supervisor Approval Verification _____ QC / QA Coordinator Approval _____	
Description Work Order Deviation				Disposition					
Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		FAULT CATEGORY Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Mislabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐							
		OTHER : _____							

Picklist Print

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Page 17

Work Order ID: 151666

151666

Parent Item: 646.4001

646 4001

Parent Item Name: AS350 Cable Cutter System

Start Date: 10/19/2016

Required Date: 10/26/2016

Start Qty: 1.00

Required Qty: 1.00

99-1-20

Purchased

No

100

Each

75.0000

2

2

MS27039-1-20*

w

DAS
27
9-89

Location

Loc Qty

Loc Code

ST280

75

124326

75

MS27039-1-21

Purchased

No

100

Each

237.0000

4

4

MS27039-1-21

Screw

DAS
27
9-89

Location

Loc Qty

Loc Code

ST280

237

m127904

237

NAS1149F0332P

Purchased

No

100

Each

1,400.000

144

144

NAS1149F0332P

Washer

DAS
27
9-89

Location

Loc Qty

Loc Code

GA

282

m133709

282

ST262

1118

m135544

1118

NAS1149F0363P

Purchased

No

100

Each

232.0000

2

2

NAS1149F0363P

WASHER

DAS
27
9-89

Location

Loc Qty

Loc Code

ST262

232

124555

232

DAS
28
9-89

DAS
28
9-89

DAS
28
9-89

DAS
28
9-89

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval 		
Description Work Order Deviation				Disposition					
							Completed By		
							Lead hand / Supervisor Approval Verification		
							QC / QA Coordinator Approval		

Root Cause				FAULT CATEGORY			
Environment ☐	Design ☐	Doc/Data ☐	Equip/Tooling ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐
Handling/Pre ☐	Material ☐	Internal Transport ☐	Tribal Knowledge ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐
LOA ☐	Substation ☐	Past Expiry Date ☐	Misidentified ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐
				Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐
				Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐
				Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐
				Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐
				Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐
				Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐
				Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐
				OTHER : _____			

Picklist Print

Wednesday, October 05, 2016 3:09:07 PM

Work Order ID: 151666

151666

Parent Item: 646.4001

646 4001

Parent Item Name: AS350 Cable Cutter System

Start Date: 10/19/2016

Required Date: 10/26/2016

Start Qty: 1.00

Required Qty: 1.00

NAS1149F0432P

Purchased

No

100

Each

1,473.000

4

4

NAS1149F0432P

WASHER

DAS
27
9-89

Location

Loc Qty

Loc Code

ST260a

1000

M135704

1000

ST262

473

M134955

473

NAS1149FN832P

Purchased

No

100

Each

2,455.000

4

4

NAS1149FN832P

Washer

DAS
27
9-89

Location

Loc Qty

Loc Code

GA

1537

M133769

89

M135058

1448

ST263

918

M135603

918

DAS
6
9-89

OCT 27 2016

DAS
28
9-89

DAS
6
9-89

OCT 27 2016

DAS
28
9-89

DQA: _____ Date: _____

WORK ORDER NON-CONFORMANCE / UPDATE



QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐																																																													
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval																																																										
Description Work Order Deviation				Disposition				Completed By																																																									
								Lead hand / Supervisor Approval Verification																																																									
								QC / QA Coordinator Approval																																																									
Root Cause		FAULT CATEGORY																																																															
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐	Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐	Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐	Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐	Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐	Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐	Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐	Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐	LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐	Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐	Past Expiry Date ☐	Manufacturing Process ☐	OTHER : _____			
Misidentified ☐	Past Due ☐																																																																



APICAL INDUSTRIES, INC.
dba DART AEROSPACE

ENGINEERING CHANGE NOTICE NO.		05304		SHEET 1 OF 1							
DWG NO.	646.4000	REV:	C	PREPARED BY	J. BECKER	DATE:	02/04/16	EFFECT ON DWG ☐ INC. ☒ UNINC.			
DWG TITLE: AS350 CABLE CUTTERS KIT											
APPROVED BY:		ENGR.			MFG			QC		EFF.	NEXT ORDER
TRANSACTION CODES (TC): A-ADD R-REVISE C-CREATE D-DELETE		REASON: REVISED F/N 12.								ECR: N/A	

SHOP COPY
RETURN TO
ENGINEERING
UNCONTROLLED COPY
SUBJECT TO AMENDMENT
WITHOUT NOTICE
WORK ORDER
NO. 151666 MC5
16-10-06

SHEET 1, BOM IS:

12	R	601.1624	8	16	LOCKNUT	MS21042L3	
F/N	TC	PART NUMBER	4006	4005	DESCRIPTION	MATERIAL	SPECIFICATION
			QTY				
DOCUMENTS EFFECTED:					CHANGE CATEGORY	DER REVIEW REQUIRED	
☐ PATTERN ☐ MDL ☐ INSTALL INSTRUCTIONS ☐ ICA ☐ FMS ☒ BOM					☐ MAJOR ☒ MINOR	☐ YES ☒ NO	

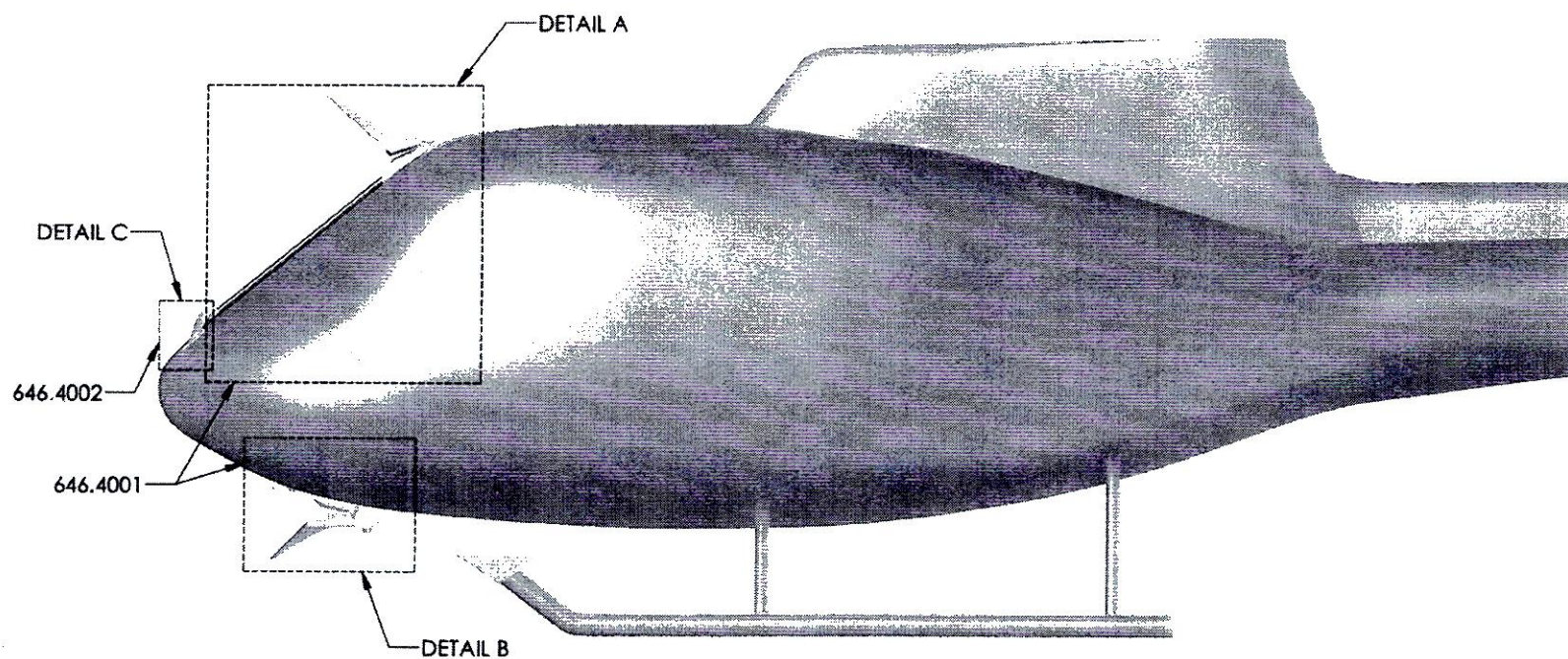
F/N 28 IN PLACE OF F/N 41 WHEN NECESSARY.

QTY	DESCRIPTION	PART #	FIND #	Q001	Q002	Q003	Q004	Q005	Q006
1	WASHER	601.2764	76	4		4			
1	SHIM	646.9410	77	1				1	
5	SCREW	601.3875	78	5	5			5	5
2	LOCKNUT	601.2973	75	2	2			2	2
2	SCREW	601.2988	74	2	2			2	2
2	LOCKNUT	601.3209	71	2	2			2	2
2	NUT	601.3126	72	2	2			2	2
3	LOCKNUT	601.2943	73	2	2			2	2
3	LOCKNUT	601.3126	72	3	3			3	3
4	WASHER	601.2636	69	4	4			4	4
2	BOLT	601.2669	69	2	2			2	2
2	CLEVIS	601.3119	68	2	2			2	2
2	EYE BOLT	601.3121	67	2	2			2	2
2	EYE BRACKET ASSY	650.2001	66	2	2			2	2
2	GPS MOUNT KIT	647.5701	65	REF	REF			REF	REF
2	WASHER	601.3151	64	2	2			2	2
63	SCREW	601.2911	63	63		2			
24	SCREW	601.2637	62	24	24			24	24
2	BOLT	601.2763	61	2	2			2	2
1	SHIM	646.3913	60	1				1	
4	SHIM	646.3912	59	4				4	
1	SHIM	646.3911	58	1				1	
4	SHIM	646.3910	57	4				4	
5	PRIMER	600.1013	56	5				5	
55	VHB TAPE	600.0129	55	55	55			55	55
1	SEALANT	600.1012	54	1		1		1	
53	MAGHONOR 6388 PART B	600.0991	53				1		
52	MAGHONOR 6388 PART A	600.0990	52				1		
10	BOLT	601.2836	51	10					
50	WIPER BRACKET	646.3814	50			2			
49	SCREW	601.2910	49			2			
48	SCREW	601.1365	48					2	
47	DOUBLE	646.3719	47						2
46	DOUBLE	646.3718	46						
45	DOUBLER	646.3717	45						
22	SCREW	601.1948	44	22	22				
2	SCREW	601.1952	43	2					
4	SCREW	601.1956	42	4					
4	SCREW	601.1956	41	4					
5	SCREW	601.3875	78	5					
1	SHIM	646.9410	77	1					
4	WASHER	601.2764	76	4					
2	LOCKNUT	601.2973	75	2					
2	SCREW	601.2988	74	2					
2	LOCKNUT	601.3209	71	2					
2	NUT	601.3126	72	2					
3	LOCKNUT	601.2943	73	3					
3	LOCKNUT	601.3126	72	3					
4	WASHER	601.2636	69	4					
2	BOLT	601.2669	69	2					
2	CLEVIS	601.3119	68	2					
2	EYE BOLT	601.3121	67	2					
2	EYE BRACKET ASSY	650.2001	66	2					
2	GPS MOUNT KIT	647.5701	65	REF					
2	WASHER	601.3151	64	2					
63	SCREW	601.2911	63			2			
24	SCREW	601.2637	62	24					
2	BOLT	601.2763	61	2					
1	SHIM	646.3913	60	1					
4	SHIM	646.3912	59	4					
1	SHIM	646.3911	58	1					
4	SHIM	646.3910	57	4					
5	PRIMER	600.1013	56	5					
55	VHB TAPE	600.0129	55	55	55				
1	SEALANT	600.1012	54	1		1			
53	MAGHONOR 6388 PART B	600.0991	53				1		
52	MAGHONOR 6388 PART A	600.0990	52				1		
10	BOLT	601.2836	51	10					
50	WIPER BRACKET	646.3814	50			2			
49	SCREW	601.2910	49			2			
48	SCREW	601.1365	48					2	
47	DOUBLE	646.3719	47						2
46	DOUBLE	646.3718	46						
45	DOUBLER	646.3717	45						
22	SCREW	601.1948	44	22	22				
2	SCREW	601.1952	43	2					
4	SCREW	601.1956	42	4					
4	SCREW	601.1956	41	4					
5	SCREW	601.3875	78	5					
1	SHIM	646.9410	77	1					
4	WASHER	601.2764	76	4					
2	LOCKNUT	601.2973	75	2					
2	SCREW	601.2988	74	2					
2	LOCKNUT	601.3209	71	2					
2	NUT	601.3126	72	2					
3	LOCKNUT	601.2943	73	3					
3	LOCKNUT	601.3126	72	3					
4	WASHER	601.2636	69	4					
2	BOLT	601.2669	69	2					
2	CLEVIS	601.3119	68	2					
2	EYE BOLT	601.3121	67	2					
2	EYE BRACKET ASSY	650.2001	66	2					
2	GPS MOUNT KIT	647.5701	65	REF					
2	WASHER	601.3151	64	2					
63	SCREW	601.2911	63	63		2			
24	SCREW	601.2637	62	24	24				
2	BOLT	601.2763	61	2	2				
1	SHIM	646.3913	60	1					
4	SHIM	646.3912	59	4					
1	SHIM	646.3911	58	1					
4	SHIM	646.3910	57	4					
5	PRIMER	600.1013	56	5					
55	VHB TAPE	600.0129	55	55	55				
1	SEALANT	600.1012	54	1		1			
53	MAGHONOR 6388 PART B	600.0991	53				1		
52	MAGHONOR 6388 PART A	600.0990	52				1		
10	BOLT	601.2836	51	10					
50	WIPER BRACKET	646.3814	50			2			
49	SCREW	601.2910	49			2			
48	SCREW	601.1365	48					2	
47	DOUBLE	646.3719	47						2
46	DOUBLE	646.3718	46						
45	DOUBLER	646.3717	45						
22	SCREW	601.1948	44	22	22				
2	SCREW	601.1952	43	2					
4	SCREW	601.1956	42	4					
4	SCREW	601.1956	41	4					
5	SCREW	601.3875	78	5					
1	SHIM	646.9410	77	1					
4	WASHER	601.2764	76	4					
2	LOCKNUT	601.2973	75	2					
2	SCREW	601.2988	74	2					
2	LOCKNUT	601.3209	71	2					
2	NUT	601.3126	72	2					
3	LOCKNUT	601.2943	73	3					
3	LOCKNUT	601.3126	72	3					
4	WASHER	601.2636	69	4					
2	BOLT	601.2669	69	2					
2	CLEVIS	601.3119	68	2					
2	EYE BOLT	601.3121	67	2					
2	EYE BRACKET ASSY	650.2001	66	2					
2	GPS MOUNT KIT	647.5701	65	REF					
2	WASHER	601.3151	64	2					
63	SCREW	601.2911	63	63		2			
24	SCREW	601.2637	62	24	24				
2	BOLT	601.2763	61	2	2				
1	SHIM	646.3913	60	1					
4	SHIM	646.3912	59	4					
1	SHIM	646.3911	58	1					
4	SHIM	646.3910	57	4					
5	PRIMER	600.1013	56	5					
55	VHB TAPE	600.0129	55	55	55				
1	SEALANT	600.1012	54	1		1			
53	MAGHONOR 6388 PART B	600.0991	53				1		
52	MAGHONOR 6388 PART A	600.0990	52				1		
10	BOLT	601.2836	51	10					
50	WIPER BRACKET	646.3814	50			2			
49	SCREW	601.2910	49			2			
48	SCREW	601.1365	48					2	
47	DOUBLE	646.3719	47						2
46	DOUBLE	646.3718	46						
45	DOUBLER	646.3717	45						
22	SCREW	601.1948	44	22	22				
2	SCREW	601.1952	43	2					
4	SCREW	601.1956	42	4					
4	SCREW	601.1956	41	4					
5	SCREW	601.3875	78	5					
1	SHIM	646.9410	77	1					
4	WASHER	601.2764	76	4					
2	LOCKNUT	601.2973	75	2					
2	SCREW	601.2988	74	2					
2	LOCKNUT	601.3209	71	2					
2	NUT	601.3126	72	2					
3	LOCKNUT	601.2943	73	3					
3	LOCKNUT	601.3126	72	3					
4	WASHER	601.2636	69	4					
2	BOLT	601.2669	69	2					
2	CLEVIS	601.3119	68	2					
2	EYE BOLT	601.3121	67	2					
2	EYE BRACKET ASSY	650.2001	66	2					
2	GPS MOUNT KIT	647.5701	65	REF					
2	WASHER	601.3151	64	2					
63	SCREW	601.2911	63	63		2			
24	SCREW	601.2637	62	24	24				
2	BOLT	601.2763	61	2	2				
1	SHIM	646.3913	60	1					
4	SHIM	646.3912	59	4					
1	SHIM	646.3911	58	1					
4	SHIM	646.3910	57	4					
5	PRIMER	600.1013	56	5					
55	VHB TAPE	600.0129	55	55	55				
1	SEALANT	600.1012	54	1		1			
53	MAGHONOR 6388 PART B	600.0991	53				1		
52	MAGHONOR 6388 PART A	600.0990	52				1		
10	BOLT	601.2836	51	10					
50	WIPER BRACKET	646.3814	50			2			
49	SCREW	601.2910	49			2			
48	SCREW	601.1365	48					2	
47	DOUBLE	646.3719	47						

05304

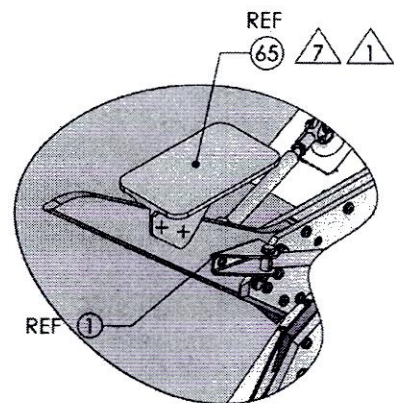
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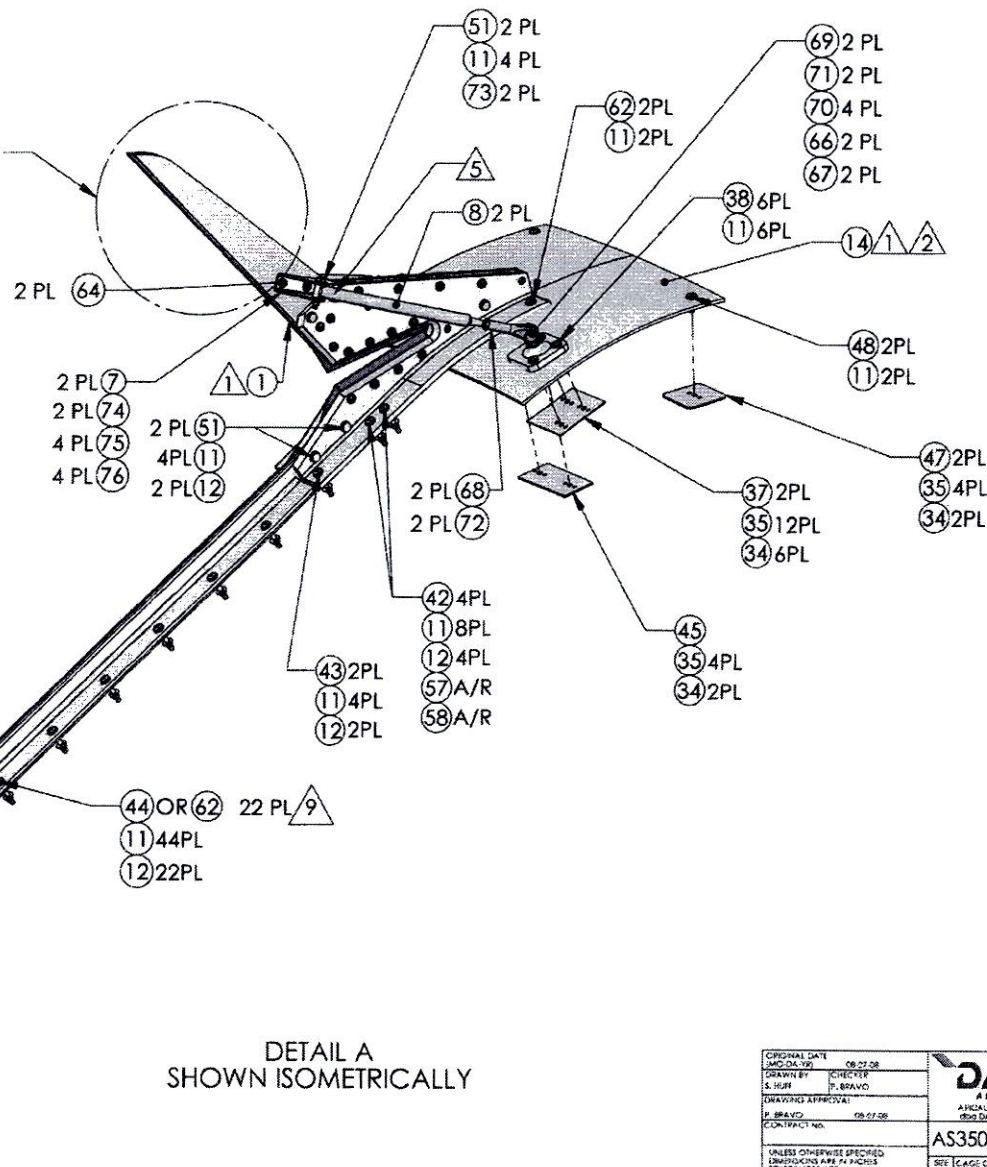
ORIGINAL DATE (M/D/Y) 06-27-08 DRAWN BY J. HUNT CHECKED BY D. BRADY DRAWING APPROVAL P. BRADY CONTRACT NO.	 3030 ENTERPRISE CT., SUITE A VISTA, CA 92081 (760) 724-5300 AEROSPACE AIRCRAFT INDUSTRIES INC. 2001 DART AEROSPACE																												
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE 2 PLACE DECIMALS ±0.05 3 PLACE DECIMALS ±0.010 ANGLES ± 5°	AS350 CABLE CUTTERS KIT <table border="1"> <tr> <th>REF</th> <th>QTY</th> <th>DESCRIPTION</th> <th>REV</th> </tr> <tr> <td>07</td> <td>1</td> <td>07M26</td> <td>C</td> </tr> <tr> <td colspan="2">SCALE</td> <td>1:1</td> <td></td> </tr> <tr> <td colspan="2">DATE</td> <td>06/27/08</td> <td></td> </tr> <tr> <td colspan="2">BY</td> <td>JHUNT</td> <td></td> </tr> <tr> <td colspan="2">CHECKED</td> <td>DBRADY</td> <td></td> </tr> <tr> <td colspan="2">APPROVED</td> <td>PBRADY</td> <td></td> </tr> </table>	REF	QTY	DESCRIPTION	REV	07	1	07M26	C	SCALE		1:1		DATE		06/27/08		BY		JHUNT		CHECKED		DBRADY		APPROVED		PBRADY	
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CHECKED		DBRADY																											
APPROVED		PBRADY																											

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DETAIL D
TYPICAL GPS MOUNT KIT INSTALLATION

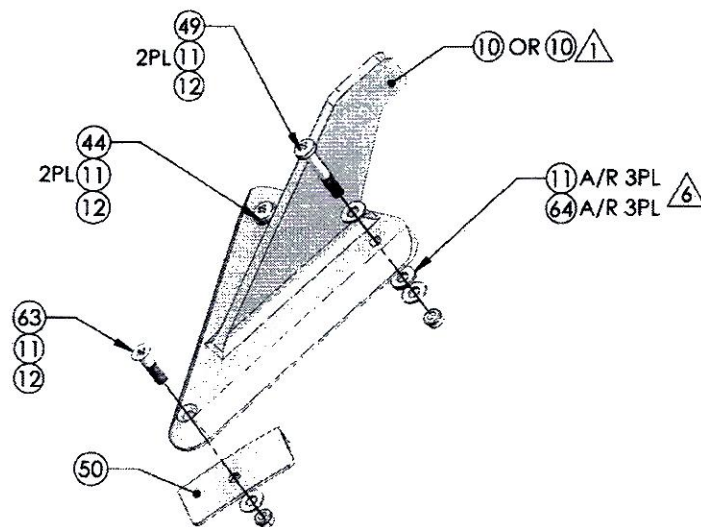
DETAIL D



DETAIL A
SHOWN ISOMETRICALLY

ORIGINAL DATE JAN 24/10		08/27/08	
DRAWN BY S. HUN		P. BRAVO	
DESIGNED APPROVAL P. BRAVO		08/27/08	
CONTRACT NO.			
DART AEROSPACE 3030 ENTERPRISE CT., SUITE A VISTA, CA 92081 (760) 724-5300			
AS350 CABLE CUTTERS KIT			
REV	CAGE CODE	DWG. NO.	REV
B	D7M26	646.4000	C
SCALE NONE		SHEET 3 OF 5	

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DETAIL C
LH SHOWN EXPLODED
RH OPPOSITE

ORIGINAL DATE 08-27-08		DART 3030 ENTERPRISE CT. SUITE A VISTA, CA 92081 (760)-724-5300 APICAL INDUSTRIES, INC. DBA DART AEROSPACE			
DRAWN BY S. HUFF	CHECKED P. BRAVO	AS350 CABLE CUTTERS KIT			
DRAWING APPROVAL P. BRAVO 08/27/08					
CONTRACT NO.		SIZE B	CASH CODE 07/M26	DWG. NO. 646.4000	REV. C
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS .0010 3 PLACE DECIMALS .0005 ANGLES .5°		SCALE NONE		SHEET 5 OF 5	

REFERENCE ONLY

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NOTES:

1. AFTER INSTALLATION, APPLY F/N 54 A/R TO FILL GAPS AND FILLET EDGES.

2. INSTALL F/N 14 WITH F/N 52 & 53.

3. 3M VHB ADHESIVE TAPE .025" THICK X .50" WIDE
VENDOR: MCMASTER-CARR P/N 75935A651.

4. 3M TAPE PRIMER 94, APPLY TO BOTH SURFACES A/R BEFORE TAPE.
VENDOR: R.S. HUGHES P/N 021200-24216.

5. REUSE FASTENERS FROM F/N 1.

6. USE WASHERS A/R AS SHIMS TO OBTAIN BEST FITMENT.

7. AT CUSTOMERS OPTION, INSTALL F/N 65 BY MATCH DRILLING ON TO F/N 1.

8. INSTALL SHIM IF OEM PROVISIONS ARE INSTALLED ON AIRCRAFT. REMOVE SHIM LAYERS TO ACHIEVE CORRECT SIZE. MATCH DRILL HOLES. USE F/N 78 SCREW IN PLACE OF F/N 17 SCREW.

9. NEWER INSTALLATIONS ON AIRCRAFT WITH UPDATED CANOPY MAY REQUIRE DIFFERENT LENGTH SCREWS. USE F/N 62 TO REPLACE F/N 44 & F/N 26 IN PLACE OF F/N 41 WHEN NECESSARY.

UNINCORPORATED ECN(S)

05304

5	5	5	78	601.3875	SCREW	AS350-100				
1	1	1	77	646.9410	SHIM	AS350-100				
	4	4	76	601.2764	WASHER	AS350-100				
	2	2	75	601.2973	LOCKNUT	MS21042-08				
	2	2	74	601.2988	SCREW	MS27039-0813				
	2	2	73	601.2943	LOCKNUT	MS21042-3				
	2	2	72	601.3128	NUT	AN316C4R				
	2	2	71	601.3209	LOCKNUT	MS21042-4				
	4	4	70	601.2638	WASHER	NAS1149FD432P				
	2	2	69	601.2669	BOLT	AN4C7A				
	2	2	68	601.3119	CLEVIS	AN465-34R				
	2	2	67	601.3121	EYE BOLT	AN46-5A				
	2	2	66	650.9201	EYE BRACKET ASSY					
REF	REF	REF	65	647.5701	GPS MOUNT KIT	AS350-100				
		2	64	601.3151	WASHER	NAS1149PD343P				
			63	601.2911	SCREW	MS246P4553				
	24	24	62	601.2637	SCREW	MS27039-1-16				
2	2	2	61	601.2763	BOLT	AN3-12A				
	1	1	60	646.3913	SHIM					
	4	4	59	646.3912	SHIM					
	1	1	58	646.3911	SHIM					
	4	4	57	646.3910	SHIM					
5	5	5	56	600.1013	PRIMER					
	8 FT	BTE	55	600.0129	VHB TAPE					
	1	1	54	600.1012	SEALANT	PG-142 CLASS B				
	1	1	53	600.0991	MAGNABOND 6398 PART B	AS350-100				
	1	1	52	600.0990	MAGNABOND 6398 PART A	AS350-100				
6	10	10	51	601.2826	BOLT	AN3-11A				
		2	50	646.3814	WIPER BRACKET					
		2	49	601.2910	SCREW	MS27039-1-16				
	2	2	48	601.1365	SCREW	MS27039-1-10				
	2	2	47	646.3719	DOUBLER					
	2	2	46	646.3718	CUSTOM WASHER					
	1	1	45	646.3717	DOUBLER					
	22	2	44	601.1948	SCREW	MS27039-1-19				
	2	2	43	601.1952	SCREW	MS27039-1-20				
	4	4	42	601.1956	SCREW	MS27039-1-21				
4006	4005	4004	4003	4002	4001	FIND #	PART #	DESCRIPTION	MATL	SPEC.

REV	DESCRIPTION	DATE	APPROVED
A	INCORPORATED ECN 05304, 05305 & 05306	02/08/2018	P. BRAVO
B	INCORPORATED ECN 05307 & 05308	11/04/2014	P. BRAVO
C	INCORPORATED ECN 05309	09/04/2015	P. BRAVO

	2		2	41	601.2829	SCREW	MS24645SSA			
	2		2	40	601.2831	RIVET	MS24646ADS-7			
	1		1	39	646.3716	GAUGE BRACKET				
	6		6	38	601.1953	SCREW	MS27039-1-17			
	2		2	37	646.3715	STRUT DOUBLER				
	2		2	36	601.2824	BOLT	AN3-5A			
12	36		36	35	601.2277	RIVET	CR92443-8-02			
6	18		18	34	600.0795	NUTPLATE	MS21047-5			
3	3		3	33	601.2565	RIVET	MS20470ADS-7			
1	1		1	32	646.3813	STRUT BRACKET				
4	4		4	31	601.2822	BOLT	AN3-3A			
2	2		2	30	646.3812	GUSSET BRACKET				
8	8		8	29	601.2564	RIVET	MS20470ADS-6			
1	1		1	28	646.3714	GUSSET				
	1	1	1	27	646.3610	FILLER				
	3	3	3	26	601.2830	SCREW	MS24645SS			
	2	2	2	25	601.2825	BOLT	AN3-4A			
	1	1	1	24	646.3811	RADIUS BLOCK				
	1	1	1	23	646.3712	CLIP				
	1	1	1	22	646.3711	CLIP				
8	8		8	21	601.2832	RIVET	MS20470ADS-5-6			
14	14		14	20	601.2020	RIVET	CR9213-5-3			
4	6	4	6	10	19	601.2823	BOLT	AN3-4A		
	1	1	1	18	601.2827	BOLT	AN3-13A			
	5	5	5	17	601.2912	SCREW	MS24645SS1			
	1	1	1	16	646.3713	GUSSET				
	1	1	1	15	646.3210	SUPPORT				
	1	1	1	14	646.3710	DOUBLER				
	1	1	1	13	646.3110	CHANNEL				
14	10	8	53	6	61	12	601.1624	LOCKNUT	MS21048L3	
16	32	18	120	16	144	11	601.1607	WASHER	NAS11410023P	
						10	646.3410	LH WIPER DEFLECTOR		
						9	646.3411	RH WIPER DEFLECTOR		
		2		2	8		647.7703	STRUT ASSY		
		2		2	7		647.0112	STRUT BRACKET		
	1	1		1	6		646.3511	STRUT		
	1	1		1	5		646.3510	STRUT		
2	2		2	4			646.3810	BRACKET		
		1		1	3		646.2910	DEFLECTOR		
	1	1		1	2		646.3001	LOWER CUTTER ASSY		
		1		1	1		646.3301	UPPER CUTTER ASSY		
X							646.4006	LOWER CUTTER FIXED PROVISIONS		
	X						646.4005	LOWER CUTTER REMOVABLE PROVISIONS		
		X					646.4004	FIXED PROVISIONS KIT		
			X				646.4003	CABLE CUTTERS RE WITH CUT FORD PROVISIONS		
				X			646.4002	AS350 WIPER DEFLECTOR KIT		
					X		646.4001	AS350 CABLE CUTTERS KIT		
4006	4005	4004	4003	4002	4001	FIND #	PART #	DESCRIPTION	MATL	SPEC.

QTY		PARTS LIST	
NEXT ASSY (S)		DART AEROSPACE 3030 ENTERPRISE CT., SUITE A VISTA, CA 92081 (760) 724-5300 FAX: (760) 724-5301 E-MAIL: SALES@DARTAEROSPACE.COM WWW.DARTAEROSPACE.COM	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES 2 PLACE DECIMALS & 0.015 3 PLACE DECIMALS & 0.005 ANGLES & 1/2		AS350 CABLE CUTTERS KIT 1/2" (PAGE CODE) DIM. NO. B 07M26 646.4000 SCALE NONE SHEET 1 OF 5	

Work Order ID 151666

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151666

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Item ID: 646.4001**Accept*****N900040100*****Setup Start*****NS1*****Revision ID:****Stop*****NS2*****Item Name:** AS350 Cable Cutter System**Start Date:** 10/19/2016 **Start Qty:** 1.00***1*****Cust Item ID:****Required Date:** 10/26/2016 **Req'd Qty:** 1.00***1*****Customer:****Reference:****Approvals:****Process Plan:** _____**Date:** _____**Tooling:** _____**Date:** _____**Run Start*****NR1*****QC:** _____**Date:** _____**SPC (Y/N):** _____**Date:** _____**Stop*****NR2*****Sequence ID/
Work Center ID****Operation
Description****Set Up/
Run Hours****Tool ID****Tool #****Plan
Code****Accept
Qty****Reject
Qty****Reject
Number****Insp.
Stamp****Draw Nbr****Revision Nbr**

646.4000

C1

DAS**21****9-89****OCT 27 2016****DAS****21****9-89****OCT 27 2016**

100

Document Control

0.00

100

DOCUMENT CONTROL

DC

Memo

0.00

Doc.Control -USB or Paperwork

Photocopy bluefile & type labels per PPP 646.4001

110

Pick Kit

0.00

110

Packaging

Memo

0.00

Packaging

120

QC4- 100% Inspect kits for completeness

0.00

120

QC

Memo

0.00

Quality Control